

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

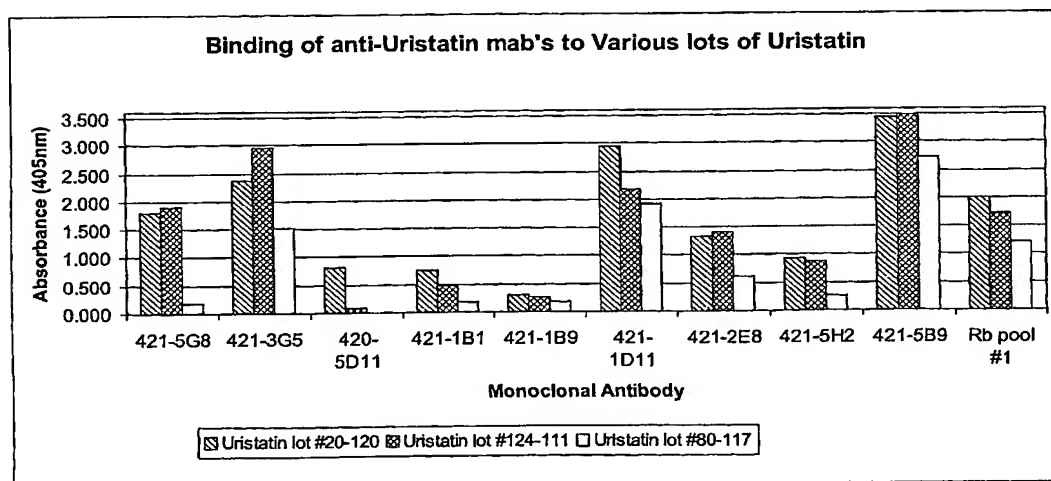
PCT

(10) International Publication Number  
**WO 2005/040222 A1**

- (51) International Patent Classification<sup>7</sup>: **C07K 16/38**, G01N 33/53
- (21) International Application Number: PCT/US2004/024881
- (22) International Filing Date: 29 July 2004 (29.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/511,835 16 October 2003 (16.10.2003) US
- (71) Applicant (for all designated States except US): **BAYER HEALTHCARE LLC** [US/US]; 555 White Plains Road, Tarrytown, NY 10591 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PUGIA, Michael, J.** [US/US]; 14342 Taddington Dr., Granger, IN 46530 (US). **ANDERSON-MAUSER, Linda** [US/US]; 60438 CR 3, Elkhart, IN 46517 (US). **MURPHY, Solomon, H.** [US/US]; 295 E. Lasalle Avenue, Apt. 301a, South Bend, IN 46617 (US). **SOMMER, Ronald, G.** [US/US]; 55745 Merle Street, Elkhart, Indiana 46514 (US). **GLEASON, Shannon** [US/US]; 14006 Carter Lake Street, Jones, MI 49061 (US).
- (74) Agent: **WELLS, Harold, N.**; Jenkins & Gilchrist, a Professional Corporation, 225 W. Washington Street, Suite 2600, Chicago, IL 60606-3418 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**  
— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- Published:**  
— with international search report

[Continued on next page]

(54) Title: MONOCLONAL ANTIBODIES FOR DETECTION OF URINARY TRYPSIN INHIBITORS



(57) Abstract: Certain monoclonal antibodies are able to detect urinary trypsin inhibitors (UTIs) that are characteristic of disease in humans. In particular, the UTIs include AMBK, Bikunin, Uristatin, Uristatin-1, Uristatin-2, as defined herein, also including the fragments and aggregates thereof.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*